

TimeSession GetTimeSession(datetime currtime)

- Return the TimeSession (enum – with value like US, London, Australia, Tokyo) when I input the currtime, and based on my Metatrader timezone return the TimeSession

bool IsNewHigh(int i), bool IsNewLow(int i)

Given a candlestick index I, I want to know whether it is the new high. Can make the number of candles to check previously as parameters.

bool isBOHTOH (datetime Start, datetime End)

BOH is bottom of hour, time like xx:30

TOH is top of hour, time like xx:00.

Given a start and end date time, see whether it crosses any BOH or TOH, if yes return true.
e.g., start =2017.5.21 8:27, end= 2017.5.21 8:31, then it returns true is since 8:30 is BOH.

double RNFromTop(double price),double RNFromBottom(double price)

RN = Round Number, price ending with 00

Find the number of pips for RN just larger than price (RNFromTop), and RN just lower than the price (RNFromBottom)

double BRNFromTop(double price),double BRNFromBottom(double price)

BRN = Big Round Number, ending with 000

Same as previous function

int isInsideBar (int i, int howFarToLook)

given a candlestick with index i, I want to return the index of mother bar that contained the candlestick at i

(https://www.google.com/search?q=inside+bar&source=lnms&tbn=isch&sa=X&ved=0ahUKEwiX7bzlgIHUAhUSSo8KHfLwDpwQ_AUICigB&biw=1227&bih=499#imgsrc=9I09mxz8TQaZ7M).

Notice that the mother can be several bars away, look at the top chart of

<http://imgur.com/a/PoNOT>

where 3 is mother bar of 1 and 2 (if 3 is mother bar of 1, it must be mother bar of all candle between 3 and 1 too). And howFarToLook is to set how far we should check whether current candle is included in a mother bar.